International Journal of Theoretical Physics, Vol. 18, No. 12, 1979

Author Index to Volume 18

Amson, John. *On the Physical Interpretation of the Mathematical Structure of the Combinatorial Hierarchy* 445
Antonelli, P. L. *Kinks and Cobordism* 779
Asorey, M. *Difference of Observability Between Classical Electromagnetic and Gravitational Gauge Fields* 295
Assimakopoulos, M. *A Natural One-Form for the Schouten Concomitant* 233
Bastin, Ted. *On the Physical Interpretation of the Mathematical Structure of the Combinatorial Hierarchy* 445
Biritz, Helmut. *(Book Review) Relativistic Quantum Fields* 232
Biritz, Helmut. *Consistent Wave Equations for Families of Massive Particles with Any Spin* 601
Bloore, F. J. *A Natural One-Form for the Schouten Concomitant* 233
Boya, L. J. *Difference of Observability Between Classical Electromagnetic and Gravitational Gauge Fields* 295
Bugajska, Krystyna. *Spinor Structure of Space–Time* 77
Bugajska, Krystyna. *Geometrical Interpretation of Spinors* 95
Campbell, P. *Projective Geometry for Polarizations in Geometric Quantization* 1
Campbell, P. *Projective Geometry, Lagrangian Subspaces, and Twistor Theory* 9
Chan, K. L. *Mathematical Theory of Reduction of Physical Parameters and Similarity Analysis* 835
Chau, W. Y. *Mathematical Theory of Reduction of Physical Parameters and Similarity Analysis* 835
Cheon, Il-Tong. *Electron Self-Energy, Vacuum Polarization, and Vertex Correction* 129
Clapp, Roger E. *Nonlocal Structures: Shell Effects* 17
Clapp, Roger E. *Trilocal Structures. II. Expansion* 23
Clarke, C. J. S. *Approximately Straight Kink Theories* 715
Cormack, W. J. *Riemannian Curvature and the Classification of the Riemann and Ricci Tensors in Space-Time* 279
Dadić, I. *Dynamics of Discrete-Space Structure* 345

0020-7748/79/1200-0945$03.00/0 © 1980 Plenum Publishing Corporation

Dionysiou, Demetrios D. *Gravitational Radiation from an Isolated System of N Bodies in Higher Multipole Moments* 155
Dodson, C. T. J. *Projective Geometry for Polarizations in Geometric Quantization* 1
Domingos, J. M. *Time Reversal in Classical and Quantum Mechanics* 213
Drisch, Thomas. *Generalization of Gleason's Theorem* 239
Edgar, S. B. *A New Approach to Einstein–Petrov Type I Spaces* 251
Fujita, Shigeji. *Nonlinear Diffusion of Vacancies in a Crystal* 271
García-Sucre, M. *Space–Time in a Simple Model of a Physical System* 725
Goenner, H. F. *Nonlinear Lagrangians and Einstein Spaces* 291
Gordeyev, G. V. *On the Theory of High-Velocity Particles* 397
Gudder, S. P. *Families of Completely Positive Mappings* 935
Hall, G. S. *Riemannian Curvature and the Classification of the Riemann and Ricci Tensors in Space–Time* 279
Halpern, Leopold. *Broken Symmetry of Lie Groups of Transformation Generating General Relativistic Theories of Gravitation* . . . 845
Hara, Hiroaki. *Nonlinear Diffusion of Vacancies in a Crystal* 271
Horváthy, P. A. *Extended Feynman Formula for Harmonic Oscillator* 245
Jadczyk, A. Z. *A Note on Conformal Field Equations* 107
Kilmister, Clive W. *On the Physical Interpretation of the Mathematical Structure of the Combinatorial Hierarchy* 445
Kumar, Ajit. *Stability of Charged Solitons* 425
Liboff, Richard L. *On the Potential x^{2N} and the Correspondence Principle* 185
Lloyd-Evans, D. J. R. *Geometric Quantization and Internal Symmetry* 193
Lubkin, Elihu. *An Application of Ideal Experiments to Quantum Mechanical Measurement Theory* 165
Lubkin, Elihu. *Schrödinger's Cat* 519
Mack, Evelyn W. *Trilocal Structures. II. Expansion* 23
Mahanta, M. N. *Is Strong Gravity an Aspect of Strong Interaction?* . . 419
Marx, Egon. *Quantum Electrodynamics of One Scalar Particle* 819
Massen, S. E. *Application of the Nonunitary Model Operator Approach to the ^{16}O Nucleus* 695
McCollum, Gin. *Physical Operations, Diagram Operations* 113
McFarlane, K. *Comment on "Geodesics in Rotating Systems"* 151
McGill, N. C. *Comment on "Geodesics in Rotating Systems"* 151
Muraskin, M. *A Study of Solutions to the Aesthetic Field Equations* . . 433
Murphy, George L. *On the Strength of Einstein's Unified Field Equations* 323

Nisichenko, V. P. *Stability of Charged Solitons* 425
Noyes, Pierre. *On the Physical Interpretation of the Mathematical Structure of the Combinatorial Hierarchy* 445
Pearle, Philip. *Toward Explaining Why Events Occur* 489
Petroni, Cufaro. *Markov Process at the Velocity of Light: The Klein–Gordon Statistic* 807
Phillips, Stephen M. *Energy-Nonconserving Planck Fluctuations and Strong Forces* 41
Pisk, K. *Dynamics of Discrete-Space Structure* 345
Prasad, G. *On Relativistic Electromagnetic Fluid Flows* 329
Pulmannova, S. *Superposition Principle and Sectors in Quantum Logics* 915
Rehder, Wulf. *Spectral Properties of Products of Projection in Quantum Probability Theory* 791
Rosen, Gerald. *Is Quantized Electric Charge a Purely Electromagnetic Phenomenon?* 305
Rybakov, Yu. P. *Stability of Charged Solitons* 425
Sen, D. K. *The Space-Relativistic Velocity-Addition Law and a Related Functional Equation* 179
Silva, M. A. *Complexified Vaidya's Metric* 411
Simons, Fay. *Trilocal Structures. II. Expansion* 23
Som, M. M. *Complexified Vaidya's Metric* 411
Sorkin, Rafael. *On the Meaning of the Canonical Ensemble* 309
Strauss, M. *Rotating Frames in Special Relativity. II. Generalized Theory* 67
Tauber, Gerald E. *Classification of Bianchi Cosmologies in Conformal Flat Space–Times* 371
Valle, J. W. F. *Hilbert Superspaces and Grassmann Numbers* 923
Vasquez, Luis. *The Gyromagnetic Ratio of the Electron in a Coulomb Field* 689
Vigier, J. P. *Markov Process at the Velocity of Light: The Klein–Gordon Statistic* 807
Watanabe, Ryuzo. *Nonlinear Diffusion of Vacancies in a Crystal* . . . 271
Williams, J. G. *Kinks and Cobordism* 779
Wolf, Joseph A. *Trilocal Structures. II. Expansion* 23
Yasue, Kunio. *Stochastic Quantization: A Review* 861
Yun, Suk Koo. *Hierarchy of Symmetry Breakings and Neutral Currents in an SU(6) Grand Unification Model* 359